

ABSTRACT OF THE DISCLOSURE

The present invention discloses an optical device with an imaging device for imaging a subject formed by a lens device, comprising: a lens unit which is disposed inside the lens device and has an optical axis; a movable member holding the lens unit, which makes the lens unit movable within a plane orthogonal to the optical axis; an image pickup device for imaging the subject image formed by the lens device; a fixed member for limiting the movement of the movable member in the optical axis direction; at least three balls disposed between the movable member and fixed member, which can roll between the movable member and fixed member and make relative movements of the movable member and fixed member possible; a vibration detecting unit for detecting vibration, which outputs vibration information corresponding to vibration; and a pitch direction drive unit for driving the movable member in the pitch direction within the optical axis orthogonal plane and a yaw direction drive unit for driving the movable member in the yaw direction within the optical axis orthogonal plane, where said pitch direction drive unit and yaw direction drive unit include drive magnets held by the fixed member and yokes and coils held by the movable member, or include drive magnets held by the movable member and yokes and coils held by the fixed member, wherein the pitch direction drive unit and yaw direction

drive unit press the movable member toward the fixed member side by means of magnetic pressing forces caused by magnetic attractive action between the drive magnets and yokes.